**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 50 | ("20030014068" \| "20040097907" \| "3044461" \| "3789852" \| "4449532" \| "4451256" \| "4545374" \| "4573448" \| "4863133" \| "4899729" \| "4921478" \| "4984564" \| "5163949" \| "5197971" \| "5295994" \| "5312417" \| "5345927" \| "5370647" \| "5395317" \| "5454365" \| "5601590" \| "5667520" \| "5707359" \| "5762629" \| "5795289" \| "5865802" \| "5902231" \| "5961499" \| "6120437" \| "6171299" \| "6175758" \| "6338730" \| "6358266" \| "6524320" \| "6530880" \| "6530926" \| "6648888" \| "6800084" \| "6811558" \| "6821243" \| "6837889" \| "6837891" \| "7001397" \| "7004947" \| "7033369" \| "7056321" \| "7066937" \| "7108705" \| "7144393" \| "7223278").PN. | US-PGPUB; USPAT | OR | OFF | 2009/10/12 16:19 |
| L2 | 4 | "931853".ap. | US-PGPUB; USPAT | OR | OFF | 2009/10/12 16:24 |
| L3 | 1 | "20020111590" | US-PGPUB; USPAT | OR | OFF | 2009/10/12 16:34 |
| L4 | 1 | "20040147998" | US-PGPUB; USPAT | OR | OFF | 2009/10/12 16:35 |
| L5 | 2 | "20040093077" | US-PGPUB; USPAT | OR | OFF | 2009/10/12 16:46 |
| L6 | 2 | "5591192".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/12 16:49 |
| L7 | 2 | "5759185".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/12 16:50 |

| S1 | 0 | thomas-davison-w.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/11 08:42 |
|---|---|---|---|---|---|---|
| S2 | 0 | thomas-davison.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/11 08:42 |
| S3 | 3 | davison-thomas.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/11 08:44 |
| S4 | 0 | S3 same sher-adam.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/11 08:45 |
| S5 | 0 | S3 same (sher-adam.in.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/11 08:45 |
| S6 | 15 | (sher-adam.in.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/11 08:46 |
| S7 | 4 | "3044461".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/11 09:01 |
| S8 | 26 | "3044461".URPN. | USPAT | OR | OFF | 2004/03/11 08:48 |
| S9 | 2 | "5707359".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/03/11 09:01 |
| S10 | 1362 | 606/185,198.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/16 16:31 |
| S11 | 2203 | 604/264,164,104,105.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/08/13 14:51 |

| S12 | 1183 | 606/185,198.ccls. not 604/264,164,104,105.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/26 10:16 |
|-----|------|----------------------------------------|----------------------------------------------|----|-----|-------------------|
| S13 | 3 | "5197971".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/08/13 16:47 |
| S14 | 6 | ("3495586" \| "4572186" \| "4585000" \| "4921478" \| "4954126" \| "4998539").PN. | USPAT | OR | OFF | 2002/08/13 16:47 |
| S15 | 118 | "4998539".URPN. | USPAT | OR | OFF | 2002/08/13 17:00 |
| S16 | 3 | "5197971".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 12:12 |
| S17 | 3 | "5226899".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/08/14 08:30 |
| S18 | 3 | "5234425".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/08/14 08:31 |
| S19 | 3 | "4685458".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/08/14 08:32 |
| S20 | 64 | ((606/185,198.ccls. not 604/264,164,104,105.ccls.)and ((tube tubular cylindrical) with (cannula))) and (shape$1 same cone conical)and cannula | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/26 10:47 |
| S21 | 142 | (606/185,198.ccls. not 604/264,164,104,105.ccls.)and ((tube tubular cylindrical) with (cannula)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/30 14:35 |
| S22 | 2 | "5312417".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/20 11:18 |

| S23 | 2 | "5795289".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/20 11:20 |
| S24 | 2 | "5370647".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/20 11:22 |
| S25 | 2 | "5865802".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/20 11:23 |
| S26 | 2 | "5370647".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 12:15 |
| S27 | 2 | "5707359".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 12:16 |
| S28 | 2 | "5643282".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 13:13 |
| S29 | 2 | "5817062".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 13:21 |
| S30 | 3 | "6800084".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 13:23 |
| S31 | 2 | "6187000".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 13:23 |
| S32 | 3 | "6800084".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/02 10:59 |
| S33 | 896 | 623/17.11.CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/02 11:00 |

| S34 | 2122 | 606/61.CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/02 11:00 |
| --- | --- | --- | --- | --- | --- | --- |
| S35 | 860 | S33 and (spine or vertebral) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/02 11:01 |
| S36 | 1870 | S34 and (spine or vertebral) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/02 11:01 |
| S37 | 656 | S35 not S36 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/02 13:45 |
| S38 | 33 | S37 and cannula and passage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/02 13:46 |
| S39 | 3 | "6800084".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/30 12:49 |
| S40 | 1 | "6187000".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/30 13:06 |
| S41 | 2 | "20040093002".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/30 13:08 |
| S42 | 2 | "6530926".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/30 13:08 |
| S43 | 7 | ("6530926").URPN. | USPAT | OR | OFF | 2005/10/30 13:09 |
| S44 | 3 | "6800084".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/16 16:45 |

| S45 | 3 | "6811558".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/16 16:45 |
|------|------|------|------|------|------|------|
| S46 | 22 | ("20040133201" \| "20040236317" \| "20050075540" \| "3841317" \| "5279564" \| "5503617" \| "5817062" \| "6036638" \| "6432048" \| "6837891").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/25 14:12 |
| S47 | 6 | ("5643282" \| "6187000" \| "6800084").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/25 14:13 |
| S48 | 26 | ("20030040656" \| "20030073998" \| "20030153911" \| "20030153927" \| "20030167058" \| "20030236529" \| "4573448" \| "5395317" \| "6175758" \| "6361488" \| "6530880" \| "6530926" \| "6648888" \| "6652553").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/25 14:13 |
| S49 | 260 | ("1170324" \| "20010011170" \| "20010049498" \| "20020002360" \| "20030009130" \| "20030014068" \| "20030040656" \| "20030073998" \| "20030083688" \| "20030083689" \| "20030139648" \| "20030153911" \| "20030153927" \| "20030167058" \| "20030191371" \| "20030195405" \| "20030195493" \| "20030195549" \| "20030195550" \| "20030195551" \| "20030199871" \| "20030236529" \| "20040059339" \| "20040078051" \| "20040093002" \| "20040097907" \| "20040098012" \| "20040133201" \| "20040236317" \| "20050075540" \| "3044461" \| "3503398" \| "3789852" \| "3841317" \| "4449532" \| "4451256" \| "4545374" \| "4573448" \| "4601713" \| "4611594" \| "4617929" \| "4716901" \| "4817587" \| "4819620" \| "4863133" \| "4899729" \| "4921478" \| "4984564" \| "5025778" \| "5131382" \| "5139499" \| "5139511" \| "5163949" \| "5171279" \| "5190561" \| "5195541" \| "5196023" \| | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/30 14:31 |

|  |  | "5197971" \| "5224680" \|<br>"5232443" \| "5279564" \|<br>"5287845" \| "5295994" \|<br>"5312417" \| "5313962" \|<br>"5354302" \| "5370647" \|<br>"5370659" \| "5395317" \|<br>"5417203" \| "5439464" \|<br>"5443479" \| "5454365" \|<br>"5472426" \| "5484437" \|<br>"5489307" \| "5490819" \|<br>"5503617" \| "5520607" \|<br>"5529571" \| "5556376" \|<br>"5571072" \| "5575754" \|<br>"5601590" \| "5601690" \|<br>"5643282" \| "5649902" \|<br>"5667520" \| "5690606" \|<br>"5707359" \| "5762629" \|<br>"5782919" \| "5792044" \|<br>"5795289" \| "5817062" \|<br>"5827319" \| "5851214" \|<br>"5865802" \| "5902231" \|<br>"5954635" \| "5961499" \|<br>"5976161" \| "5997508" \|<br>"6036638" \| "6120437" \|<br>"6126671" \| "6152871" \|<br>"6162236" \| "6171299" \|<br>"6175758" \| "6187000" \|<br>"6254628" \| "6306170" \|<br>"6312443" \| "6338730" \|<br>"6358266" \| "6361488" \|<br>"6371968" \| "6383195" \|<br>"6432048" \| "6494893" \|<br>"6497654" \| "6524320" \|<br>"6530880" \| "6530926" \|<br>"6564078" \| "6589225" \|<br>"6620129" \| "6648888" \|<br>"6652553" \| "6800084" \|<br>"6811558" \| "6837891").PN. |  |  |  |  |
| S50 | 52 | 600/203.ccls. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/08/30<br>14:39 |
| S51 | 1 | (tube) same (expand$3) same<br>(spine) same (pivot$3) | US-PGPUB;<br>USPAT | OR | OFF | 2006/08/30<br>14:41 |
| S52 | 39 | (tube) and (expand$3) and<br>(spine) and (pivot$3) and (access<br>with path) | US-PGPUB;<br>USPAT | OR | OFF | 2006/08/30<br>16:28 |
| S53 | 5 | (tube) and (expand$3) and<br>(spine) and (pivot$3) and (access<br>with path).clm. | US-PGPUB;<br>USPAT | OR | OFF | 2006/08/30<br>16:29 |
| S54 | 6 | "665754".ap. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/19<br>11:49 |

| S55 | 3 | "6800084".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/19 11:53 |
|-----|----|-----|-----|-----|-----|-----|
| S56 | 43 | ("1170324" \| "20030191371" \| "20030191371" \| "3503398" \| "5196023" \| "5354302" \| "5370659" \| "5417203" \| "5443479" \| "5490819" \| "5529571" \| "5690606" \| "5851214" \| "5976161" \| "5976671" \| "6126671" \| "6187000" \| "6371968").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/19 14:28 |
| S57 | 6 | (legs with move$4 with away) and (tube or tubular) same (inner with surface) and (passage) and (spine or muscular) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/19 14:55 |
| S58 | 10 | (legs with move$4 with away) and (tube or tubular) and (inner with surface) and (passage) and (spine or muscular) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/19 14:57 |
| S59 | 0 | (first with leg) and (second with leg) and (move$4 with away) and (tube or tubular) and (innner with surface) and (passage) and (spine muscular) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/19 15:00 |
| S60 | 0 | (first with leg) and (second with leg) and (move$4 with away) and (tube or tubular) and (innner with surface) and (passage) and (surgical) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/19 15:00 |
| S61 | 26 | ("6187000").URPN. | USPAT | OR | OFF | 2007/04/19 15:03 |
| S62 | 89 | ("0151228" \| "0530728" \| "20010011170" \| "20020173798" \| "20030073998" \| "20030097045" \| "20030191371" \| "20030195550" \| "20030195551" \| "20030199885" \| "20030199915" \| "20040078051" \| "20040098012" \| "20040176665" \| "20040181231" \| "20040230100" \| "20050065517" \| "20050075540" \| "20050137461" \| "20050159650" \| "20050159651" \| "20050215866" \| "20050234304" \| | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/19 15:10 |

| | | "20050245942" \| "20050273131" \| "20050273132" \| "20060106416" \| "2083573" \| "2313164" \| "2594086" \| "2623517" \| "3044461" \| "3070088" \| "3509873" \| "3749088" \| "3965890" \| "3998217" \| "4010741" \| "4130113" \| "4155355" \| "4254763" \| "4421107" \| "5231974" \| "5345927" \| "5400774" \| "5505690" \| "5667481" \| "5667520" \| "5681265" \| "5688223" \| "5728046" \| "5795291" \| "5813978" \| "5868668" \| "5902231" \| "5944658" \| "6024697" \| "6036638" \| "6083154" \| "6096046" \| "6139493" \| "6187000" \| "6206826" \| "6354995" \| "6432048" \| "6464634" \| "6524320" \| "6530926" \| "6616605" \| "6652553" \| "6712795" \| "6800084" \| "6811558" \| "6837891" \| "6849064" \| "6945933" \| "7001397" \| "7014608" \| "7033369" \| "7056321").PN. | | | | | |
|---|---|---|---|---|---|---|
| S63 | 0 | ("7179225").URPN. | USPAT | OR | OFF | 2007/04/19 15:23 |
| S64 | 43 | ("1170324" \| "20030191371" \| "20030191371" \| "3503398" \| "5196023" \| "5354302" \| "5370659" \| "5417203" \| "5443479" \| "5490819" \| "5529571" \| "5690606" \| "5851214" \| "5976161" \| "5976671" \| "6126671" \| "6187000" \| "6371968").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/23 13:37 |
| S65 | 17 | ("5976161").URPN. | USPAT | OR | OFF | 2007/04/23 14:28 |
| S66 | 1 | ("606"/$.ccls.) and (endoscopic) and (forceps) and (depth with limiter) same (positions or grooves) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/23 14:31 |
| S67 | 2 | ("606"/$.ccls.) and (endoscopic) and (forceps) and (depth with limiter) and (positions or grooves) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/23 14:32 |

| S68 | 1 | ("604"/$.ccls.) and (endoscopic) and (forceps) and (depth with limiter) and (positions or grooves) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/23 14:33 |
|-----|---|---|---|---|---|---|
| S69 | 86 | ("604"/$.ccls.) and (endoscopic) and (forceps) and (depth with limiter or stop) and (positions or grooves) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/23 14:34 |
| S70 | 27 | S69 and (@pd<"19980820") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/23 15:31 |
| S71 | 8600 | (depth with limiter or indicator) and (positions or grooves) and (surgical) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/23 15:34 |
| S72 | 1847 | (S71) and (endoscopic or laparoscopic) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/23 15:34 |
| S73 | 189 | S72 and @pd<"19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/23 15:35 |
| S74 | 73 | davison with thomas.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 10:12 |
| S75 | 23 | S74 and (spinal) and (arcuate or slot) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 10:00 |
| S76 | 31 | sher with adam.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 10:39 |

| S77 | 2 | "7144393".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 10:51 |
| S78 | 2 | "6524320".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 10:53 |
| S79 | 2 | "6187000".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 10:57 |
| S80 | 2 | "5601690".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 11:13 |
| S81 | 2 | (tube or tubular with expand$4) and (arcuate with guide with length) and (606/1,191,198.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 11:26 |
| S82 | 37 | (tube or tubular with expand$4) and (arcuate with guide with length) and ("606"/$.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 11:18 |
| S83 | 17 | S82 and @pd< "19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 11:19 |
| S84 | 0 | (tube or tubular with expand$4) and (curved with elongate with slot with traverse) and (606/1,191,198.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 11:28 |
| S85 | 0 | (tube or tubular with expand$4) and (curved with elongate with slot with traverse) and (tissue or spine) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 11:28 |

| S86 | 11 | (tube or tubular with expand$4) and (curved with elongate with slot) and (tissue or spine) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 11:35 |
| S87 | 2 | "6524320".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/25 11:35 |
| S88 | 10 | ("3044461" \| "4899729" \| "5163949" \| "5197971" \| "5354302" \| "5601690" \| "5707359" \| "5902231" \| "6187000").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/25 11:36 |
| S89 | 11 | ("6524320").URPN. | USPAT | OR | OFF | 2007/04/25 11:39 |
| S90 | 3 | "685761".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/18 16:31 |
| S91 | 5 | "3044461".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/21 14:03 |
| S92 | 3 | "685761".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/21 14:04 |
| S93 | 205 | ("1170324" \| "20010049498" \| "20020002360" \| "20030009130" \| "20030153911" \| "20030167058" \| "20030195550" \| "20030195551" \| "20030236529" \| "20040002960" \| "20040078051" \| "20040097907" \| "20040098012" \| "20040116954" \| "20040133201" \| "20040236317" \| "20050021030" \| "20050033297" \| "20050043754" \| "20050075540" \| "20050113833" \| "20060089662" \| "20060264999" \| "20060276821" \| "20060276822" \| "3044461" \| "3503398" \| "3789852" \| "3841317" \| "4449532" \| "4451256" \| | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/23 16:05 |

| | | "4545374" \| "4573448" \| "4601713" \| "4611594" \| "4617929" \| "4716901" \| "4817587" \| "4819620" \| "4863133" \| "4899729" \| "4921478" \| "4984564" \| "5025778" \| "5131382" \| "5139499" \| "5139511" \| "5163949" \| "5171279" \| "5190561" \| "5195541" \| "5196023" \| "5197971" \| "5224680" \| "5232443" \| "5279564" \| "5287845" \| "5295994" \| "5312417" \| "5313962" \| "5346504" \| "5354302" \| "5370647" \| "5370659" \| "5395317" \| "5417203" \| "5439464" \| "5443479" \| "5454365" \| "5490819" \| "5503617" \| "5529571" \| "5556376" \| "5601690" \| "5643282" \| "5649902" \| "5690606" \| "5762629" \| "5782919" \| "5813978" \| "5817062" \| "5851214" \| "5865802" \| "5976161" \| "6036638" \| "6126671" \| "6152871" \| "6175758" \| "6254628" \| "6432048" \| "6648888" \| "6652553" \| "6800084" \| "6811558" \| "6837891" \| "7001397" \| "7033369" \| "7056321" \| "7108705" \| "7144393").PN. | | | | |
|---|---|---|---|---|---|---|
| S94 | 83 | (tube or tubular with passage) and (portion with perimeter) and (dimensions) and (transverse) and (disc).clm. | US-PGPUB; USPAT | OR | OFF | 2007/05/24 09:12 |
| S95 | 2 | (tube or tubular with passage) and (portion with perimeter) and (dimensions) and (transverse) and (disc)and (working with space).clm. | US-PGPUB; USPAT | OR | OFF | 2007/05/24 09:12 |
| S96 | 6 | "441319".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/21 11:28 |
| S97 | 4877 | 606/52,53,57,61,63,72.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/23 09:54 |

| S98 | 1465 | S97 and @pd<"19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/23 09:57 |
|---|---|---|---|---|---|---|
| S99 | 0 | (cannula) and (tube with expand$3 with slot) and (spine or spinal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/23 09:56 |
| S100 | 115 | (cannula) and (tube with expand$3) and (slot) and (spine or spinal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/23 09:57 |
| S101 | 0 | S98 and S100 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/23 09:57 |
| S102 | 8 | S100 and @pd<"19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/23 09:58 |
| S103 | 14 | ("5759150").URPN. | USPAT | OR | OFF | 2007/08/23 10:20 |
| S104 | 23 | ("3967092" \| "4055743" \| "4130752" \| "4469091" \| "4793346" \| "4947185" \| "4960106" \| "5092693" \| "5271380" \| "5318582" \| "5346503" \| "5356419" \| "5373840" \| "5385572" \| "5431151" \| "5540711" \| "5591183" \| "5593418" \| "5601581" \| "5607441" \| "5634935" \| "5695514" \| "5759150").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/08/23 10:43 |
| S105 | 2 | "7144393".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/23 10:43 |
| S106 | 0 | ("7144393").URPN. | USPAT | OR | OFF | 2007/08/23 10:43 |

| S107 | 137 | ("0151228" \| "0530728" \| "1170324" \| "20010049498" \| "20020002360" \| "20030009130" \| "20030014068" \| "20030040656" \| "20030073998" \| "20030097045" \| "20030153911" \| "20030153927" \| "20030167058" \| "20030191371" \| "20030236529" \| "20040002629" \| "20040093001" \| "20040176665" \| "2083573" \| "2313164" \| "2594086" \| "2623517" \| "3044461" \| "3070088" \| "3503398" \| "3509873" \| "3749088" \| "3789852" \| "3965890" \| "3998217" \| "4010741" \| "4130113" \| "4155355" \| "4254763" \| "4421107" \| "4449532" \| "4451256" \| "4545374" \| "4573448" \| "4601713" \| "4716901" \| "4863133" \| "4899729" \| "4921478" \| "4984564" \| "5139511" \| "5163949" \| "5183464" \| "5190561" \| "5196023" \| "5197971" \| "5231974" \| "5295994" \| "5312417" \| "5313962" \| "5318588" \| "5345927" \| "5354302" \| "5370647" \| "5370659" \| "5395317" \| "5400774" \| "5417203" \| "5439464" \| "5443479" \| "5454365" \| "5490819" \| "5503617" \| "5505690" \| "5529571" \| "5573517" \| "5601590" \| "5667481" \| "5667520" \| "5681265" \| "5688223" \| "5690606" \| "5707359" \| "5728046" \| "5762629" \| "5782919" \| "5792044" \| "5795289" \| "5795291" \| "5813978" \| "5827319" \| "5851214" \| "5865802" \| "5868668" \| "5902231" \| "5944658" \| "5954635" \| "5961499" \| "5976146" \| "5976161" \| "5997508" \| "6024697" \| "6083154" \| "6096046" \| "6120437" \| "6126671" \| "6139493" \| "6152871" \| "6162236" \| "6171299" \| "6175758" \| "6187000" \| "6206826" \| "6224545" \| "6312443" \| "6338730" \| "6354995" \| "6358266" \| "6361488" \| | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/08/23 10:57 |

| | | "6371968" \| "6383195" \| "6464634" \| "6494893" \| "6524320" \| "6530880").PN. OR ("6530926" \| "6616605" \| "6648888" \| "6652553" \| "6712795" \| "6800084").PN. | | | | |
|---|---|---|---|---|---|---|
| S108 | 1 | "6371968".pn. | USPAT | OR | OFF | 2007/08/23 10:57 |
| S109 | 6 | "665754".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/05 16:14 |
| S110 | 2 | "6238435".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/05 16:15 |
| S111 | 9 | ("6238435").URPN. | USPAT | OR | OFF | 2007/10/05 16:17 |
| S112 | 10 | ("3067740" \| "4676797" \| "4790854" \| "4878917" \| "5190550" \| "5290313" \| "5913860" \| "6110179" \| "6159215").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/05 16:20 |
| S113 | 560 | 606/105,190.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/26 10:30 |
| S114 | 152 | S113 and @pd< "19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/26 10:31 |
| S115 | 1 | ("5474057").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/26 10:40 |
| S116 | 33 | ("5474057").URPN. | USPAT | OR | OFF | 2007/10/26 10:42 |
| S117 | 3 | "685761".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/27 12:41 |
| S118 | 4 | ("5762629" \| "6358266").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/27 12:42 |

| S119 | 16 | ("6358266").URPN. | USPAT | OR | OFF | 2007/10/27 12:51 |
| S120 | 4 | ("5345927" \| "5601590").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/27 12:53 |
| S121 | 2 | "5345927".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/27 12:53 |
| S122 | 54 | ("5345927").URPN. | USPAT | OR | OFF | 2007/10/27 12:55 |
| S123 | 2 | "6371968".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/12/30 16:52 |
| S124 | 6 | "441319".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/12/30 16:52 |
| S125 | 2 | "5345927".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/12/31 13:36 |
| S126 | 2 | "6371968".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/14 15:10 |
| S127 | 143 | (Cannula) same (scissors) and (bone or spinal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/14 15:25 |
| S128 | 25 | S127 and @pd< "19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/14 15:26 |

| S129 | 2 | "5577993".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/04/02 16:14 |
|------|---|---------------|----------------------------------------------------------|----|-----|------------------|
| S130 | 2 | "5683349".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/04/02 16:15 |
| S131 | 2 | "5728113".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/04/02 16:18 |
| S132 | 2 | "5312351".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/04/02 16:20 |
| S133 | 5 | "665754".ap. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/04/03 09:43 |
| S134 | 2 | "5634937".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/04/03 10:48 |
| S135 | 2 | "5728113".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/04/03 11:00 |
| S136 | 62 | ("0984756" \| "1037864" \| "1131163" \| "1293565" \| "1449087" \| "1876792" \| "2213830" \| "2880728" \| "3073311" \| "3090386" \| "3349772" \| "3470875" \| "3807407" \| "3842840" \| "3901244" \| "3946740" \| "4021896" \| "4109658" \| "4161951" \| "4164225" \| "4236470" \| "4345601" \| "4373530" \| "4471781" \| "4491135" \| "4580567" \| "4621640" \| "4635638" \| | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/04/03 11:00 |

| | | "4827931" \| "4890615" \|<br>"4923461" \| "4935027" \|<br>"4957498" \| "4983176" \|<br>"5059201" \| "5100421" \|<br>"5171257" \| "5188636" \|<br>"5207693" \| "5217471" \|<br>"5224948" \| "5242458" \|<br>"5254126" \| "5261917" \|<br>"5281220" \| "5300082" \|<br>"5336191" \| "5389103" \|<br>"5454823" \| "5474057").PN. | | | | |
|---|---|---|---|---|---|---|
| S137 | 5 | ("5728113").URPN. | USPAT | OR | OFF | 2008/04/03<br>11:04 |
| S138 | 2 | "5634937".pn. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/10/26<br>15:03 |
| S139 | 2 | "6036638".pn. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/10/26<br>15:04 |
| S140 | 6 | "441319".ap. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/15<br>13:32 |
| S141 | 5 | "958505".ap. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/12/15<br>10:52 |
| S142 | 74 | davison with thomas.in. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/12/15<br>11:24 |
| S143 | 32 | sher with adam.in. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/12/15<br>11:24 |
| S144 | 31 | S142 and S143 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/12/15<br>11:25 |

| S145 | 75 | S142 or S143 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 11:26 |
| S146 | 0 | (S145) and (tube or tubular) same (cone) same (spine).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 11:27 |
| S147 | 3 | (S145) and (tube or tubular) and (cone) and (spine).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 11:28 |
| S148 | 2 | "6187000".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 11:37 |
| S149 | 3 | "6800084".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 11:41 |
| S150 | 3 | "6811558".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 11:57 |
| S151 | 37 | (tube or tubular) and (cone) and (rivet) and (pivot$4) and (spine) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 12:03 |
| S152 | 1 | S151 and @pd<"19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 12:04 |
| S153 | 0 | (tube or tubular) same (cone) same (rivet) same (pivot$4) same (spine) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 12:20 |

| S154 | 4 | ("20040082960" \| "20060276821").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 12:30 |
|---|---|---|---|---|---|---|
| S155 | 2 | ("5345927").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 12:31 |
| S156 | 9 | ("1863057" \| "1909967" \| "3397699" \| "4608965" \| "5041093" \| "5122122").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 12:34 |
| S157 | 62 | ("5345927").URPN. | USPAT | OR | OFF | 2008/12/15 12:38 |
| S158 | 2 | "7144393".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/15 12:58 |
| S159 | 0 | ("7144393").URPN. | USPAT | OR | OFF | 2008/12/15 12:59 |
| S160 | 0 | ("7144393").URPN. | USPAT | OR | OFF | 2008/12/15 12:59 |
| S161 | 137 | ("0151228" \| "0530728" \| "1170324" \| "20010049498" \| "20020002360" \| "20030009130" \| "20030014068" \| "20030040656" \| "20030073998" \| "20030097045" \| "20030153911" \| "20030153927" \| "20030167058" \| "20030191371" \| "20030236529" \| "20040002629" \| "20040093001" \| "20040176665" \| "2083573" \| "2313164" \| "2594086" \| "2623517" \| "3044461" \| "3070088" \| "3503398" \| "3509873" \| "3749088" \| "3789852" \| "3965890" \| "3998217" \| "4010741" \| "4130113" \| "4155355" \| "4254763" \| "4421107" \| "4449532" \| "4451256" \| "4545374" \| "4573448" \| "4601713" \| "4716901" \| "4863133" \| "4899729" \| "4921478" \| "4984564" \| "5139511" \| "5163949" \| "5183464" \| "5190561" \| "5196023" \| "5197971" \| "5231974" \| "5295994" \| "5312417" \| | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/15 12:59 |

| | | "5313962" \| "5318588" \|<br>"5345927" \| "5354302" \|<br>"5370647" \| "5370659" \|<br>"5395317" \| "5400774" \|<br>"5417203" \| "5439464" \|<br>"5443479" \| "5454365" \|<br>"5490819" \| "5503617" \|<br>"5505690" \| "5529571" \|<br>"5573517" \| "5601590" \|<br>"5667481" \| "5667520" \|<br>"5681265" \| "5688223" \|<br>"5690606" \| "5707359" \|<br>"5728046" \| "5762629" \|<br>"5782919" \| "5792044" \|<br>"5795289" \| "5795291" \|<br>"5813978" \| "5827319" \|<br>"5851214" \| "5865802" \|<br>"5868668" \| "5902231" \|<br>"5944658" \| "5954635" \|<br>"5961499" \| "5976146" \|<br>"5976161" \| "5997508" \|<br>"6024697" \| "6083154" \|<br>"6096046" \| "6120437" \|<br>"6126671" \| "6139493" \|<br>"6152871" \| "6162236" \|<br>"6171299" \| "6175758" \|<br>"6187000" \| "6206826" \|<br>"6224545" \| "6312443" \|<br>"6338730" \| "6354995" \|<br>"6358266" \| "6361488" \|<br>"6371968" \| "6383195" \|<br>"6464634" \| "6494893" \|<br>"6524320" \| "6530880").PN. OR<br>("6530926" \| "6616605" \|<br>"6648888" \| "6652553" \|<br>"6712795" \| "6800084").PN. | | | | |
| S162 | 16 | ("3044461" \| "4863133" \|<br>"4899729" \| "5163949" \|<br>"5197971" \| "5224680" \|<br>"5354302" \| "5520607" \|<br>"5571072" \| "5575754" \|<br>"5707359" \| "5792044" \|<br>"5902231" \| "6187000" \|<br>"6361488").PN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2008/12/15<br>13:01 |
| S163 | 2 | "5634937".pn. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/20<br>15:52 |
| S164 | 7 | ("3970089" \| "4555242" \|<br>"4796629" \| "5211633" \|<br>"5366478" \| "5413571" \|<br>"5545179").PN. | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/08/20<br>15:52 |
| S165 | 65 | ("5634937").URPN. | USPAT | OR | OFF | 2009/08/20<br>15:53 |

| S166 | 4 | "6800048".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/20 15:57 |
| S167 | 3 | "6800084".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/20 15:59 |
| S168 | 2 | "6187000".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/20 16:01 |
| S169 | 14 | ("6800084").URPN. | USPAT | OR | OFF | 2009/08/20 16:03 |
| S170 | 1685 | 606/190,198.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/20 16:08 |
| S171 | 623 | S170 and @pd< "19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/20 16:09 |
| S172 | 74 | S171 and retractor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/20 16:10 |
| S173 | 2616 | 604/264.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/20 16:29 |
| S174 | 1287 | S173 and @pd< "19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/20 16:29 |

| S175 | 12 | S174 and retractor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/20 16:29 |
| S176 | 262 | 600/219.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/21 09:35 |
| S177 | 160 | S176 and @pd< "19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/21 09:36 |
| S178 | 51 | S177 and retractor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/21 09:37 |
| S179 | 27 | ("5690606").URPN. | USPAT | OR | OFF | 2009/08/21 09:53 |
| S180 | 221 | 600/206,209.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/21 10:02 |
| S181 | 116 | S180 and @pd< "19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/21 10:02 |
| S182 | 19 | retractor and expander and pivot and spine.clm. | US-PGPUB; USPAT | OR | OFF | 2009/08/21 16:28 |
| S183 | 7 | "441319".ap. | US-PGPUB; USPAT | OR | OFF | 2009/09/23 09:09 |
| S184 | 2 | "6371968".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/09/23 09:12 |
| S185 | 33 | ("6371968").URPN. | USPAT | OR | OFF | 2009/09/23 09:17 |

| S186 | 3531 | 606/108,190,198.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/09/23 09:23 |
|------|------|------|------|------|------|------|
| S187 | 997 | S186 and @pd<"19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/09/23 09:23 |
| S188 | 14 | S187 and (tube with transverse) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/09/23 09:25 |
| S189 | 9 | ("5649902").URPN. | USPAT | OR | OFF | 2009/09/23 09:31 |
| S190 | 3590 | 604/104,105,264.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/09/23 09:32 |
| S191 | 1862 | S190 and @pd<"19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/09/23 09:32 |
| S192 | 41 | S191 and (tube with transverse) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/09/23 09:33 |
| S193 | 7 | "441319".ap. | US-PGPUB; USPAT | OR | OFF | 2009/09/23 15:00 |
| S194 | 23 | (tube) and (sheet with stock) and (transverse) and (spinal).clm. | US-PGPUB; USPAT | OR | OFF | 2009/09/23 15:07 |
| S195 | 6 | "665754".ap. | US-PGPUB; USPAT | OR | OFF | 2009/10/07 10:19 |

| S196 | 99 | ("20030014068" \| "20040097907" \| "3044461" \| "3789852" \| "4449532" \| "4451256" \| "4545374" \| "4573448" \| "4863133" \| "4899729" \| "4921478" \| "4984564" \| "5163949" \| "5197971" \| "5295994" \| "5312417" \| "5345927" \| "5370647" \| "5395317" \| "5454365" \| "5601590" \| "5667520" \| "5707359" \| "5762629" \| "5795289" \| "5865802" \| "5902231" \| "5961499" \| "6120437" \| "6171299" \| "6175758" \| "6338730" \| "6358266" \| "6524320" \| "6530880" \| "6530926" \| "6648888" \| "6800084" \| "6811558" \| "6821243" \| "6837889" \| "6837891" \| "7001397" \| "7004947" \| "7033369" \| "7056321" \| "7066937" \| "7108705" \| "7144393" \| "7223278").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/07 10:22 |
| S197 | 5035 | 606/1,108,198.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/07 10:29 |
| S198 | 1486 | S197 and @pd< "19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/07 10:30 |
| S199 | 33 | S198 and (legs) same (mov$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/07 10:34 |
| S200 | 3423 | 604/104,166,264.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/07 10:36 |
| S201 | 1716 | S200 and @pd< "19980820" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/07 10:36 |

| S202 | 10 | S201 and (legs) same (mov$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/07 10:36 |
|------|----|------|------|----|----|------|
| S203 | 0 | (access with device) and (expander) and (oppose$2 with portions) and (transverse) and (spine).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/07 12:49 |
| S204 | 0 | (access with device) and (expander) and (oppos$2 with portions) and (spine).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/10/07 12:49 |
| S205 | 40 | (access with device) and (expander) and (spine).clm. | US-PGPUB; USPAT | OR | OFF | 2009/10/07 12:50 |
| S206 | 29 | (access with device) and (expander) and (spine) and (transverse).clm. | US-PGPUB; USPAT | OR | OFF | 2009/10/07 12:50 |

10/ 12/ 2009 5:36:00 PM
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